

Form PTO-1449 (REV. 8-83) PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. 108962	APPLICATION NO. 09/820,704
	APPLICANT(S) Shigeyuki HAYASHI	
	FILING DATE March 30, 2001	GROUP

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

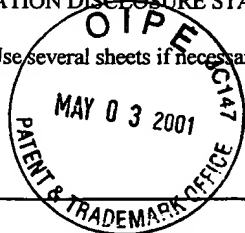
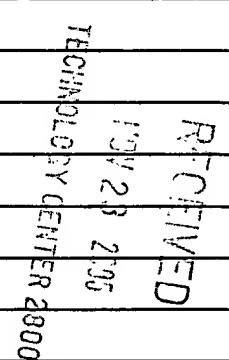
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>ms</i>		EP 0 931 672 A1	07/28/1999	Europe	<i>11</i>	
<i>lay</i>		JP A 10-329378 (abstract only)	12/15/1998	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

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EXAMINER <i>H-TRAN</i>	DATE CONSIDERED <i>8/3/02</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
HMC		5,897,256	04/27/1999	KAMEYAMA	1	1	
		5,913,621	06/22/1999	KAMEYAMA et al.	1	1	
		5,961,229	10/05/1999	KAMEYAMA	1	1	
		5,984,546	11/16/1999	KAMEYAMA	1	1	
		6,079,886	06/27/2000	KAMEYAMA	1	1	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
HMC		JP U 6-81749	11/22/1994	Japan	1	1	
		JP A 11-192756 (w/abstract)	07/21/1999	Japan	1	1	
		JP A 11-208050 (w/abstract)	08/03/1999	Japan	1	1	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
							
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APPLICANT(S)
Shigeyuki HAYASHI

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
JP A 9-141987 w/Abstract	6/97	Japan		

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>U.S.</i>	1	EP 0 852 184 A1	07/08/1998	Europe	1	1
<i>1</i>	2	EP 0 931 672 A1	07/28/1999	Europe	1	1
	3	JP A 10 329378 abstract only	03/31/1999	Japan	1	1

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PTO-1449
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U.S. PATENT DOCUMENTS

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HHP	5,690,439	11/1997	Sasaki et al.	11	11
	5,967,680	10/1999	DeLorme	11	11
	5,044,794	9/1991	Shimoyama et al.	11	11
	09/519,474	3/2001	Kameyama	11	11
	09/820,700	3/2001	Hayashi	11	11

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
JP 10-193732 and Abstract	7/1998	Japan	11	11
EP 0 943 446 A1	9/1999	EPO	11	11
JP 5 309927 and Abstract	11/1993	EPO	11	11
JP 09-272213 (Abstract only)	10/1997	EPO	11	11

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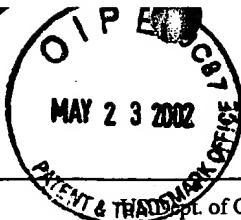
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Date: May 23, 2002



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				FILING DATE March 30, 2001		GROUP 2861	
U.S. PATENT DOCUMENTS							
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[Handwritten initials]		5,378,072	1/1995	Gunderson	1	1	
		5,455,617	10/1995	Stephenson et al.	1	1	
		5,547,298	8/1996	Wouters et al.	1	1	
		5,741,080	4/1998	Tomoda et al.	1	1	
		4,914,452	4/1990	Fukawa	1	1	
		4,973,983	11/1990	Yamamoto et al.	1	1	
		5,415,486	5/1995	Wouters et al.	1	1	
FOREIGN PATENT DOCUMENTS							
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[Handwritten initials]		EP 0 593 821 A1	4/1994	EPO	1	1	
		EP 0 658 435 A1	6/1995	EPO	1	1	
		EP 0 466 186 A2	1/1992	EPO	1	1	
		EP 0 852 183	7/1998	EPO	1	1	
		EP 0 679 524 B1	3/1998	EPO	1	1	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
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O-1449
8-83)Dept. of Commerce
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>W</i>	6,257,780	7/2001	Ito et al.	<i>1</i>	<i>1</i>
<i>W</i>	5,959,652	9/1999	Privin	<i>1</i>	<i>1</i>
<i>W</i>	4,029,268	6/1977	Schoettle et al.	<i>1</i>	<i>1</i>
<i>W</i>	4,687,358	8/1987	Saitou	<i>1</i>	<i>1</i>
<i>W</i>	5,100,250	3/1992	Suzuki et al.	<i>1</i>	<i>1</i>
<i>W</i>	5,110,228	5/1992	Yokomizo	<i>1</i>	<i>1</i>
<i>W</i>	5,374,007	12/1994	Murison	<i>1</i>	<i>1</i>

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>W</i> JP 61-213181 (Abstract only)	9/1986	Japan	<i>1</i>	<i>1</i>
<i>W</i> JP 8-276630 (and Abstract)	10/1996	Japan	<i>1</i>	<i>1</i>
<i>W</i> GB 20314810 A	1/1998	United Kingdom	<i>1</i>	<i>1</i>
<i>W</i> EP 0 423 647 A2	4/1991	EPO	<i>1</i>	<i>1</i>
<i>W</i> EP 0 475 404 A2	3/1992	EPO	<i>1</i>	<i>1</i>

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